

What is claimed is:

1. A biaxial actuator for an optical pickup, comprising:
a lens holder having an objective lens, a tracking coil
and a focusing coil; and

5 a base member on which the lens holder is placed in such
a way as to be able to displace in a focusing direction and
in a tracking direction, the base member having bend-formed
rising pieces each having a magnet opposed to the focusing coil;
wherein the lens holder is controlled in such a way as
10 to displace in the focusing direction and in the tracking
direction; and

strength of the base member is enhanced by widening each
of the rising pieces, which extends from a top end to a bend-formed
portion provided at a root thereof, so that width of each of
15 the rising pieces increases toward the root over whole height
thereof.

2. A biaxial actuator for an optical pickup, comprising:

a lens holder having an objective lens, a tracking coil
20 and a focusing coil; and

a base member on which the lens holder is placed in such
a way as to be able to displace in a focusing direction and
in a tracking direction, the base member having bend-formed
rising pieces each having a magnet opposed to the focusing coil;

25 wherein the lens holder is controlled in such a way as

to displace in the focusing direction and in the tracking direction; and

strength of the base member is enhanced by widening a bend-formed portion provided at a root of each of the rising
5 pieces in such a way as to be wider than width of any other part of the rising piece.

3. The biaxial actuator for an optical pickup according to claim 2, wherein width of a widened portion of each of the rising
10 pieces increases toward the bend-formed portion provided at the root of the rising piece.

4. The biaxial actuator for an optical pickup according to claim 3, wherein each of the rising pieces is divided into an
15 attaching division, to which an associated one of the magnets is attached, and a lower division extending from the attaching portion to the root of the rising piece; and

an entirety of the lower division is formed as the widened portion.

20

5. An optical pickup comprising:

a lens holder having an objective lens, a tracking coil and a focusing coil; and

a base member on which the lens holder is placed in such
25 a way as to be able to displace in a focusing direction and

in a tracking direction, the base member having bend-formed rising pieces each having a magnet opposed to the focusing coil;

wherein the lens holder is controlled in such a way as to displace in the focusing direction and in the tracking
5 direction; and

strength of the base member is enhanced by widening a bend-formed portion provided at a root of each of the rising pieces in such a way as to be wider than width of any other part of the rising piece.